

Abstract

Method for detecting the position of components placed on a substrate in a pick-and-place robot

Detecting the position of components (15) placed onto substrates (2) has previously been carried out visually outside the pick-and-place robot (1). This is complicated and, when a number of components (15, 16) are placed one above another, the components (15) located at the bottom cannot be detected.

In the method according to the invention, the position of the placed components (15) is determined in the pick-and-place robot, by means of a sensor (10) located in the pick-and-place robot (1), shortly after the actual pick-and-place process. As a result, faults are detected early and the pick-and-place robot (1) can therefore be set more easily with regard to positional accuracy. The sensor (10) preferably used is a camera with an image evaluation unit connected downstream.

FIG 1



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